



## Vaughn's Branch Streambank Stabilization Lexington, KY November, 2010

The purpose of this project was to provide a "Green" technique for stabilizing an eroding stream bank in conjunction with infrastructure upgrades. Tetra Tech was interested in using our Filtrexx® compost "socks" as a bioengineered solution to help prevent loss of the bank below a sidewalk. The Filtrexx® Living Wall™ system is a tubular netting that is filled in place with a combination of topsoil, hardwood mulch and grass seed. The Filtrexx® is additionally supported by a rock toe and geosynthetic materials. A selection of riparian tree species was planted between each row of Filtrexx®. As a result, the combination of structural and vegetative materials will create a stable bank that also offers environmental benefits: pollutant removal, shade to cool the water, wildlife habitat and visual interest.



*Two months after installation, Dogwood, Redbud and Sycamore trees add an aesthetic value as well as structural support, nutrient uptake and aquatic habitat.*

### Key Features:

- Design consultation
- Bank stabilization
- Bioengineering
- Native trees and shrubs

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